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WPI Acc No: 1998-323503/199829

XRAM Acc No: C98-099585

XRPX Acc No: N98-252946

**Doped pyrogenic oxide(s) of metal(s) or metalloid(s) - produced by flash hydrolysis and having specified amount of dopant**

Patent Assignee: DEGUSSA AG (DEGS ); DEGUSSA-HUELS AG (DEGS )

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Number of Countries: 027    Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 19650500	A1	19980610	DE 1050500	A	19961205	199829    B
EP 850876	A1	19980701	EP 97120682	A	19971126	199830
JP 10167717	A	19980623	JP 97347348	A	19971203	199835
CA 2223377	A	19980605	CA 2223377	A	19971203	199839
KR 98063767	A	19981007	KR 9765818	A	19971204	199949
EP 850876	B1	19991229	EP 97120682	A	19971126	200005
DE 59700926	G	20000203	DE 500926	A	19971126	200013
			EP 97120682	A	19971126	

Priority Applications (No Type Date): DE 1050500 A 19961205

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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DE 19650500	A1	11		C01G-001/02	
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EP 850876	B1	G		C01B-013/20	
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Designated States (Regional): BE DE FR GB NL

DE 59700926	G			C01B-013/20	Based on patent EP 850876
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EP 850876	A1	G		C01B-013/20	
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Designated States (Regional): AL AT BE CH DE DK ES FI FR GB GR IE IT LI

LT LU LV MC MK NL PT RO SE SI

JP 10167717	A	10		C01B-033/12	
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CA 2223377	A			C09C-003/06	
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KR 98063767	A			C01G-055/00	
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Abstract (Basic): DE 19650500 A

Doped pyrogenic oxides of metals or metalloids comprises, as base component, pyrogenic oxides of metals or metalloids made by flash hydrolysis having dopants in an amount of 0.00001-20 wt.% and concentration of 1-10000 ppm. The dopants are metalloids or metals or salt or oxide of a metal or metalloid. The BET surface area of the doped oxide is 5-600 m<sup>2</sup>/g. Production of the oxides is also claimed. Further claimed is the apparatus for the process.

USE - As filler, carrier material, catalytically active substance, as starting material for the production of dispersions, as polishing material, ceramic base material, in the electronic industry, in cosmetics, as additive in silicones and rubbers, to adjust the rheology of fluid system, for heat stabilising, in lacquers, and as heat insulation (all claimed).

Dwg.1/3

Title Terms: DOPE; PYROGENIC; OXIDE; METAL; METALLOID; PRODUCE; FLASH;

HYDROLYSIS; SPECIFIED; AMOUNT; DOPE

Derwent Class: A60; D21; E37; G01; G02; L02; Q67

International Patent Class (Main): C01B-013/20; C01B-033/12; C01G-001/02;

C01G-055/00; C09C-003/06

International Patent Class (Additional): A61K-007/00; B01J-012/02;  
B01J-019/24; B01J-019/26; B01J-037/00; B01J-037/08; C01B-013/18;  
C01B-031/18; C01B-033/18; C08K-003/22; C09C-003/00; C09G-001/02;  
C09K-003/14; C09K-021/02; F16L-059/00

File Segment: CPI; EngPI

Manual Codes (CPI/A-N): A08-M06; A08-R; D08-B10; E31-D04; E35; G01-B02;  
G02-A03; G04-B04; L02-A02A; L02-G12

Chemical Fragment Codes (M3):

\*01\* A313 A940 C108 C550 C730 C801 C802 C803 C804 C805 C807 M411 M424  
M720 M740 M782 M903 M904 M910 N104 N513 Q010 Q130 Q254 Q332 Q333  
Q421 Q453 Q606 Q617 Q622 R011 R023 R024 R01544-M R01544-P  
\*02\* B105 B702 B712 B720 B803 B832 C108 C800 C802 C803 C804 C805 C807  
M411 M424 M720 M740 M782 M903 M904 M910 N104 N513 Q010 Q130 Q254  
Q332 Q333 Q421 Q453 Q606 Q617 Q622 R011 R023 R024 R01498-M R01498-P  
\*03\* A332 A940 C108 C550 C730 C801 C802 C803 C804 C805 C807 M411 M424  
M720 M740 M782 M903 M904 M910 N104 N513 Q010 Q130 Q254 Q332 Q333  
Q421 Q453 Q606 Q617 Q622 R011 R023 R024 R01511-M R01511-P  
\*04\* A541 A940 C108 C550 C730 C801 C802 C803 C804 C805 C807 M411 M424  
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Q453 Q606 Q617 Q622 R011 R023 R024 R06304-M R06304-P  
\*05\* B114 B702 B720 B831 C108 C800 C802 C803 C804 C805 C807 M411 M424  
M720 M740 M782 M903 M904 M910 N104 N513 Q010 Q130 Q254 Q332 Q333  
Q421 Q453 Q606 Q617 Q622 R011 R023 R024 R01694-M R01694-P  
\*06\* A422 A940 C108 C550 C730 C801 C802 C803 C804 C805 C807 M411 M424  
M720 M740 M782 M903 M904 M910 N104 N513 Q010 Q130 Q254 Q332 Q333  
Q421 Q453 Q606 Q617 Q622 R011 R023 R024 R01966-M R01966-P  
\*07\* A674 A940 C108 C550 C730 C801 C802 C803 C804 C805 C807 M411 M424  
M720 M740 M782 M903 M904 M910 N104 N513 Q010 Q130 Q254 Q332 Q333  
Q421 Q453 Q606 Q617 Q622 R011 R023 R024 R01522-M R01522-P  
\*08\* A540 A940 C108 C550 C730 C801 C802 C803 C804 C805 C807 M411 M424  
M720 M740 M782 M903 M904 M910 N104 N513 Q010 Q130 Q254 Q332 Q333  
Q421 Q453 Q606 Q617 Q622 R011 R023 R024 R01521-M R01521-P

Polymer Indexing (PS):

<01>

\*001\* 018; P1445-R F81 Si 4A

\*002\* 018; H0124-R

\*003\* 018; K9449; ND00; ND03; ND05; K9416; J9999 J2915-R; K9483-R;  
K9676-R; Q9999 Q7158-R Q7114

\*004\* 018; D00 F20 O- 6A Gm; A999 A237; A999 A759; L9999 L2313; L9999  
L2835; B9999 B5221 B4740

Derwent Registry Numbers: 1498-P; 1498-U; 1511-P; 1511-U; 1521-P; 1521-U;  
1522-P; 1522-U; 1544-P; 1544-U; 1694-P; 1694-U; 1966-P; 1966-U

Specific Compound Numbers: R01544-M; R01544-P; R01498-M; R01498-P; R01511-M  
; R01511-P; R06304-M; R06304-P; R01694-M; R01694-P; R01966-M; R01966-P;  
R01522-M; R01522-P; R01521-M; R01521-P